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FIG. 1

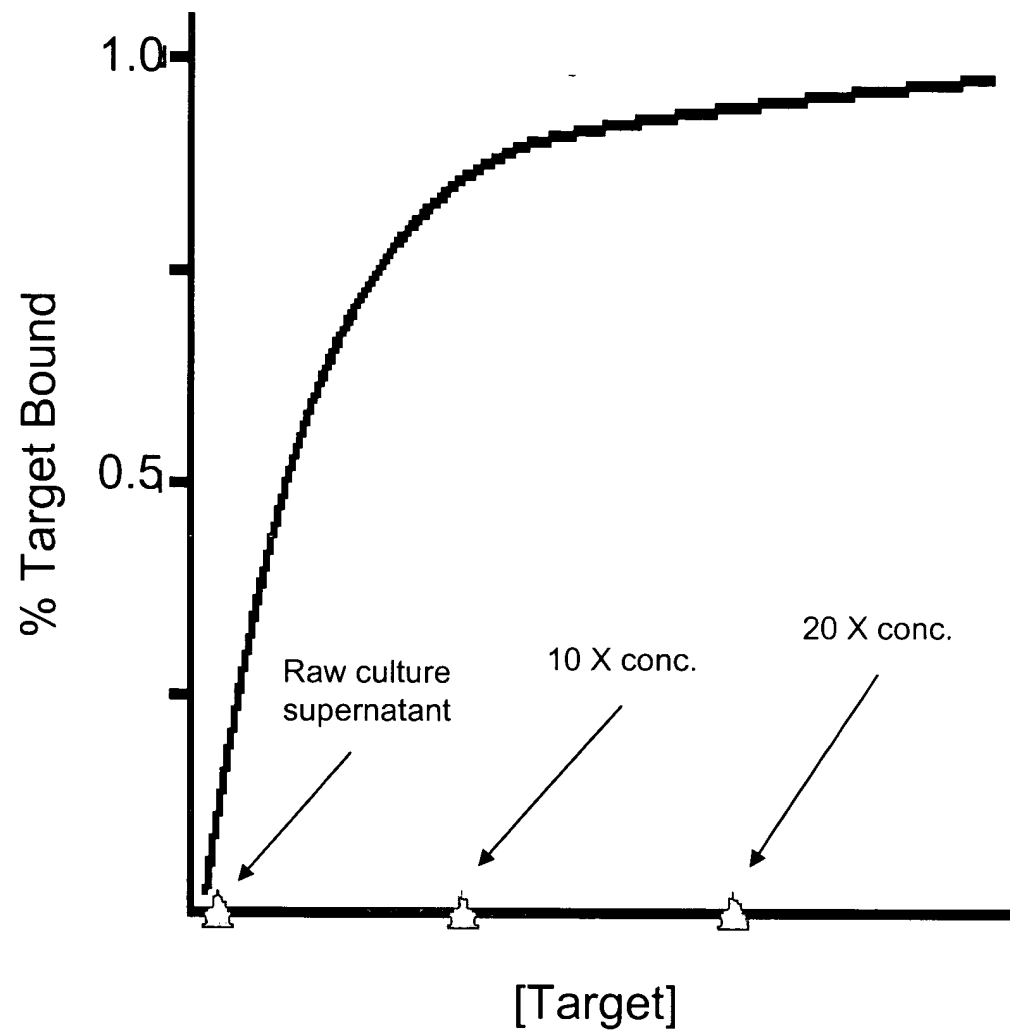
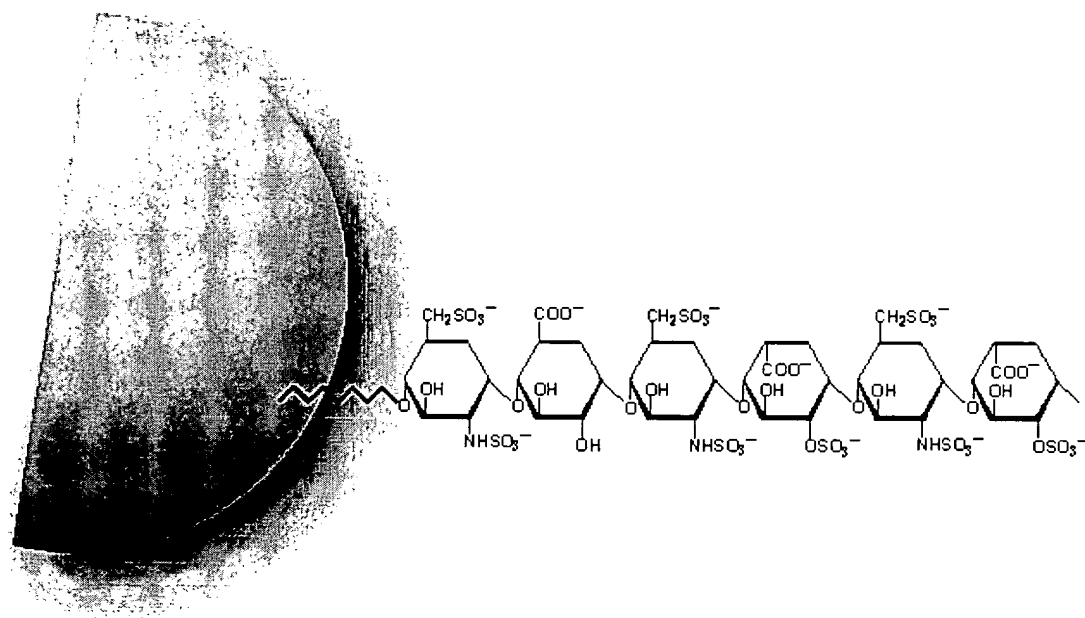
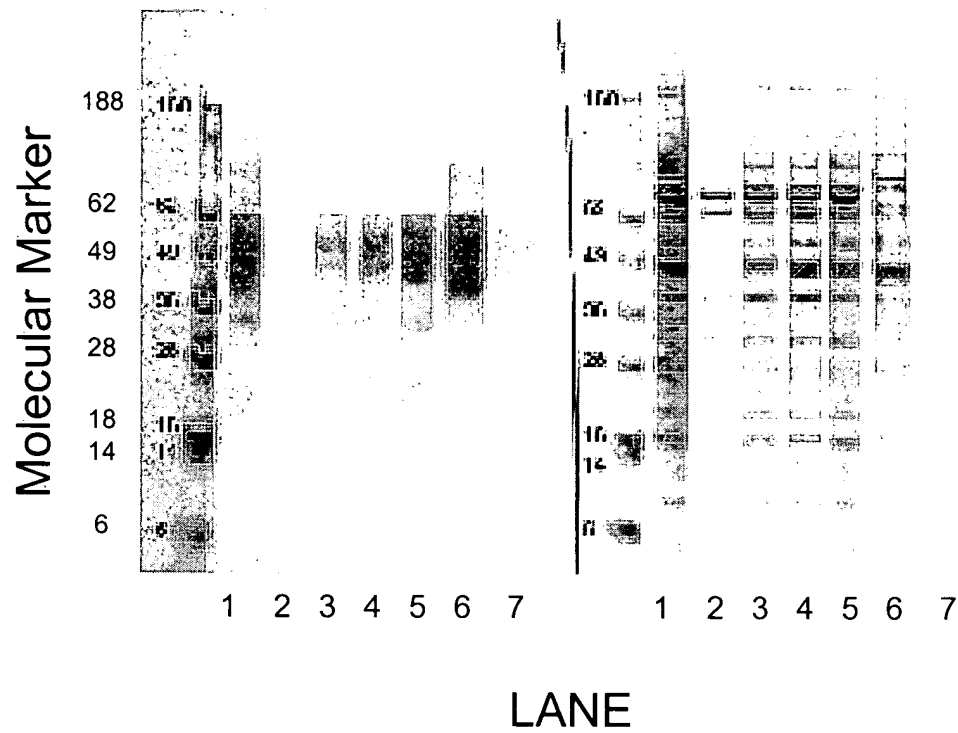


FIG. 2



**FIG. 3**



- LANE
1. Cell culture supernatant
  2. Heparin flow-through, 5% of load
  3. Heparin flow-through, 38% of load
  4. Heparin flow-through, 71% of load
  5. Heparin flow-through, 100% of load
  6. Heparin 500 mM NaCl eluate
  7. Heparin 2M NaCl strip

FIG. 4

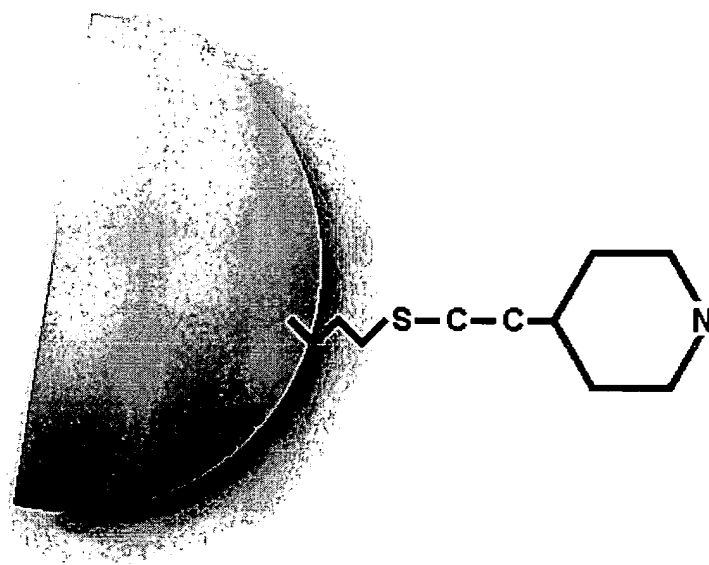
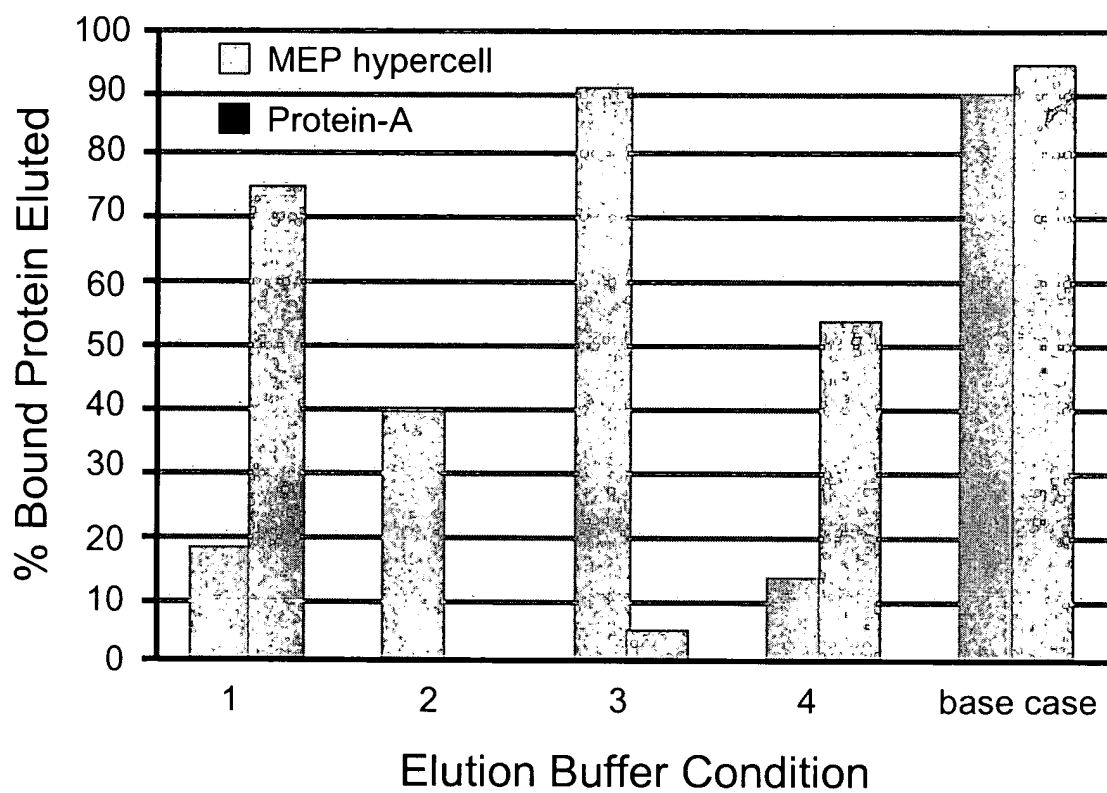


FIG. 5



1. Pierce Ab-Protein elution buffer.
2. 100 mM CAPS, pH 10.5.
3. 100 mM CAPS, 50% ethyl glycol, pH 10.5.
4. 100 mM Tris, 3.5 M,  $MgCl_2$ , 0.1% Tween 80, pH 8.

**FIG. 6**

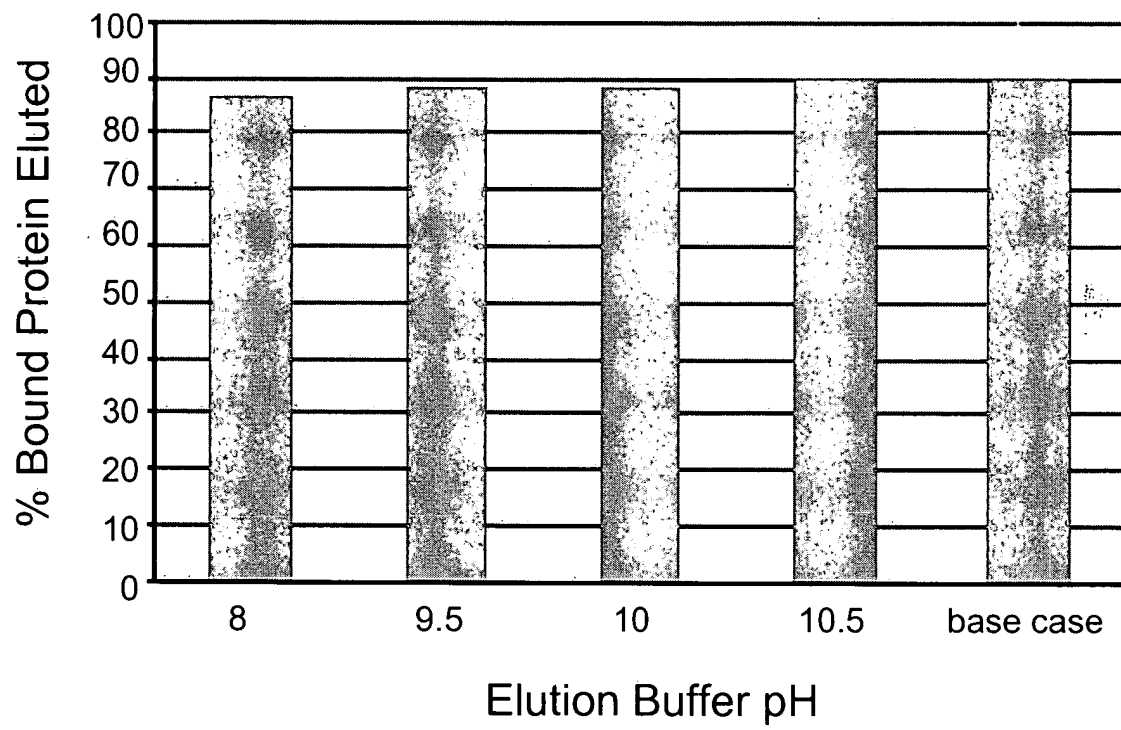
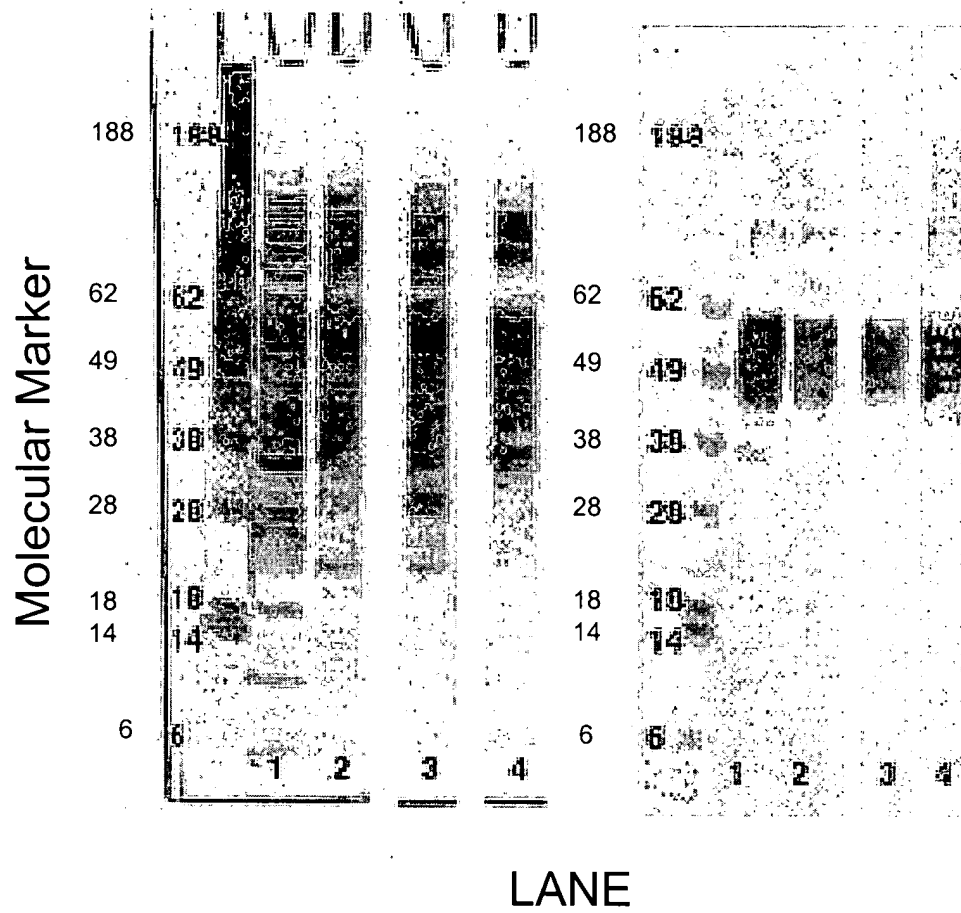


FIG. 7



- LANE
1. Cell culture supernatant
  2. Heparin concentration eluate
  3. MEP Hypercell eluate
  4. Protein-A eluate